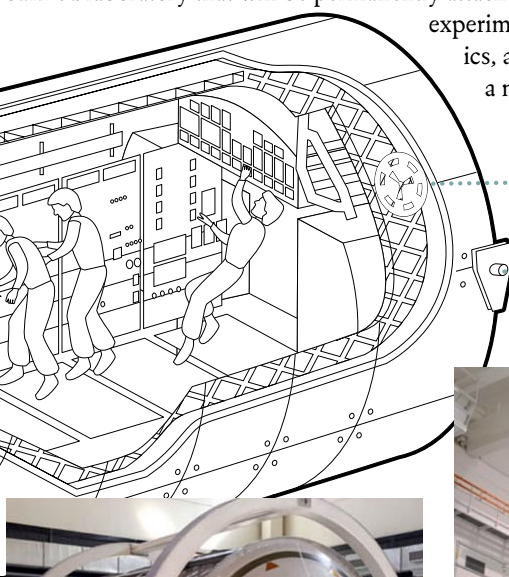
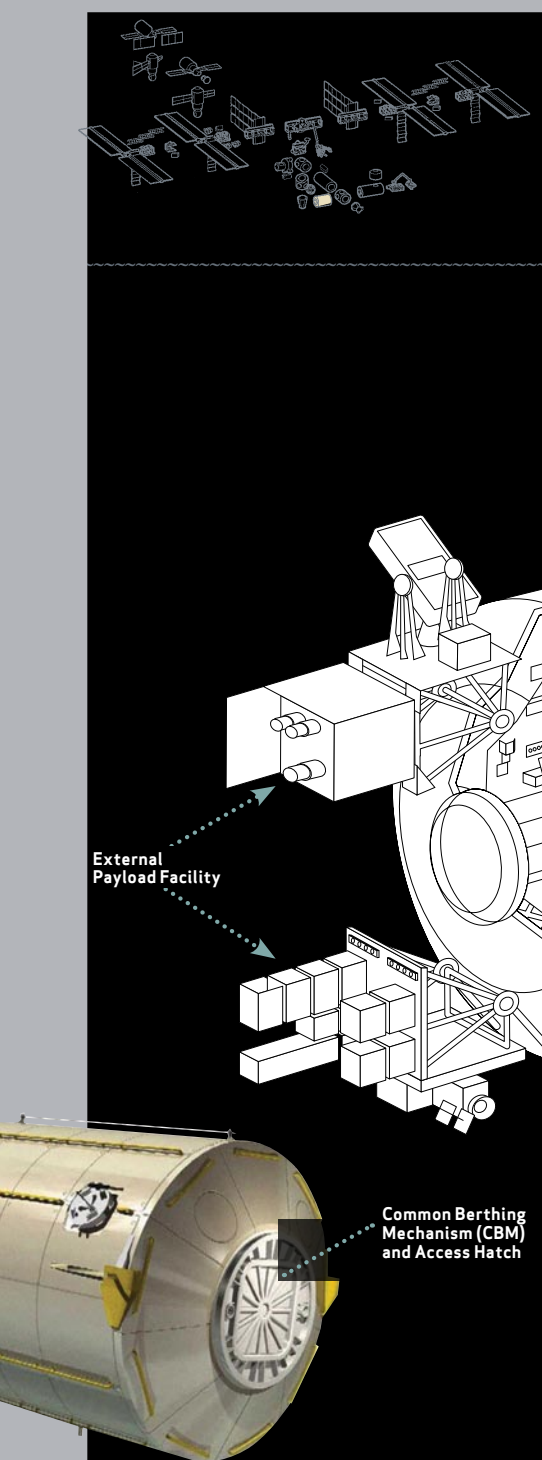


Columbus Research Laboratory

European Space Agency (ESA)/European Aeronautic Defence and Space Co. (EADS) Space Transportation

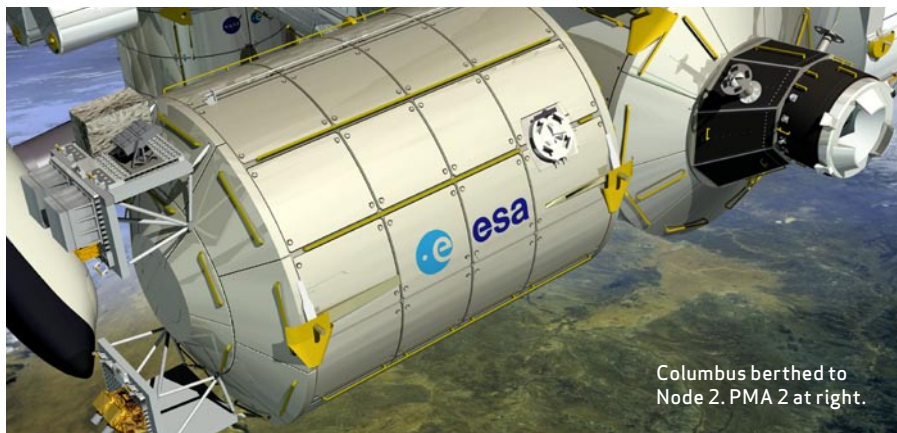
The Columbus Research Laboratory is Europe's largest contribution to the construction of the International Space Station. It will support scientific and technological research in a microgravity environment. Columbus, a program of ESA, is a multifunctional pressurized laboratory that will be permanently attached to Node 2 of the ISS to carry out experiments in materials science, fluid physics, and biosciences, as well as to perform a number of technological applications.



Columbus lab being prepared for shipment to the United States by ESA technicians.



Columbus lab at Kennedy Space Center in preparation for launch.



Columbus berthed to Node 2. PMA 2 at right.

Length	6.9 m (22.6 ft)
Diameter	4.5 m (14.7 ft)
Mass without payload	10,300 kg (22,700 lb)
Mass with payload	19,300 kg (42,550 lb)
Racks	10 International Standard Payload Racks (ISPRs)